PTO/SB/05 (08-03) Approved for use through 07/31/2008. OMB 0851-0032 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Attorney Docket No. UTILITY PATENT APPLICATION First Inventor TRANSMITTAL Title (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. Mail Stop Patent Application application elements Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450 ADDRESS TO: See MPEP chapter 600 concerning utility patent application contents. Fee Transmittel Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) Applicant claims small entity status. Nucleotide and/or Āmino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) [Total Pages Specification Computer Readable Form (CRF) (preferred arrangement set forth below) Descriptive title of the invention b. Specification Sequence Listing on: Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D CD-ROM or CD-R (2 copies); or - Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention Paper - Brief Summary of the Invention Brief Description of the Drawings (if filed) Statements verifying identity of above copies **Detailed Description ACCOMPANYING APPLICATION PARTS** Claim(s) - Abstract of the Disclosure Assignment Papers (cover sheet & document(s)) Power of 4. Drawing(s) (35 U.S.C. 113) [Total Sheets 10. 37 CFR 3.73(b) Statement (when there is an assignee) Attorney 5. Oath or Declaration [Total Sheets English Translation Document (if applicable) a. We Newly executed (original or copy) Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations Copy from a prior application (37 CFR 1.63(d)) **Preliminary Amendment** (for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) (Should be specifically itemized) **DELETION OF INVENTOR(S)** Certified Copy of Priority Document(s) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Divisional Continuation-in-part (CIP) Continuation of prior application No.: Prior application information:

Examiner

For CONTINUATION OF DIVISIONAL APPS only; The online disclosure of the prior application, from which an eath or declaration is supplied under Box 5b, is considered a part of the disclosure of the excompanying continuation or divisional application and is hereby incorporated by reference.

The incorporation can only be relied upon when a pertion has been incorporated from the cubanities of capitacion parts. nested or divisions applicate from the DRESS 19. COR OR Correspondence address below **Customer Number:** Name PATENT TRADEMARK OFFICE Address Zip Code State City Country Telephone *Registration No. (Attorney/Agent) Nama (Print/Type) Date Signature This collection of information is required by 3°CFB .53(b). The financial is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Comidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestion to the control of the sent to the Chief Information Officer, U.S. Patent and Tradsmark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Coll Stop Patent Application, Commiscience for Patento, P.O. Box 1450, Alexandria, VA 22313-1450.

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The PTO did not receive the following listed item(s) Dechardin manage of age My receive to page.

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)428.00

espond to a collection of infor	mation unless it	t displays a valid OMB	control number
Cor	mplete if Kı	nown	
Application Number			
Filing Date			
First Named Inventor	Choe	CHUL	H.
Examiner Name			
Art Unit			
Attorney Docket No.			

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)						
Check Credit card Money Other None			3. ADDITIONAL FEES						
Deposit Account:		Large Entity Small Entity							
Deposit	Account.			Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account Number				1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account				1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Director is authorized to: (check all that apply)			1053	130	1053	130	Non-English specification		
Charge fee(s) indicated below Credit any overpayments			1812	2,520	1812	2,520	For filing a request for ex parte reexamination		
Charge any additional fee(s) during the pendency of this application			1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
Charge fee(s) indicated below, except for the filing fee			1805	1,840°	1805	1,840*	Requesting publication of SIR after Examiner action		
to the above-identified deposit account.			1251	110	2251	55	Extension for reply within first month		
4 54010 5		CALCULATION		1252	410	2252	205	Extension for reply within second month	
1. BASIC F Large Entity 5				1253	,930	2253	465	Extension for reply within third month	
	Fee Fee Code (\$)	Fee Description	Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month	
1001 750	2001 375	Utility filing fee		1255	1,970	2255	985	Extension for reply within fifth month	
1002 330	2002 165	Design filing fee	385	1401	320	2401	160	Notice of Appeal	
1003 520	2003 260	Plant filing fee		1402	320	2402	160	Filing a brief in support of an appeal	
1004 750	2004 375	Reissue filing fee		1403	280	2403	140	Request for oral hearing	
1005 160	2005 80	Provisional filing fe	e	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
	l ,	SUBTOTAL (1)	385	1452	110	2452	55	Petition to revive - unavoidable	
			1453	1,300	2453	650	Petition to revive - unintentional		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			1501	1,300	2501	650	Utility issue fee (or reissue)		
Total Claims			elow Fee Paid	1502	470	2502	235	Design issue fee	
Total Claims -20** = 0		1503	630	2503	315	Plant issue fee			
		1460	130	1460	130	Petitions to the Commissioner			
		1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)			
Large Entity Fee Fee	Small Entity Fee Fee	L Fee Description	n	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$)	Code (\$)			8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18 1201 84	2202 2201 4	9 Claims in excess of 2 Independent claim		1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280	2203 144	- '		1810	750	2810	375	For each additional invention to be	
1204 84	4 2204 42 ** Reissue independent claims over original patent		1801	750	2801	275	examined (37 CFR 1.129(b))		
1205 18	2205 9	** Reissue claims	in excess of 20	1802	900	1802	900	Request for Continued Examination (RCE) Request for expedited examination	
and over original patent							of a design application		
SUBTOTAL (2) (\$) 43			*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (4)						
or number previously paid, if greater; For Reissues, see above			-Kedi	icea by	pasic h	-iiing Fe	ee Paid SUBTOTAL (3) (\$)	0	

(Complete (if applicable)) SUBMITTED BY Registration No. Name (Print/Type) Telephone 410-750-8717 Signature

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